

DERWENT-ACC-NO: 2000-673871

DERWENT-WEEK: 200444

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TITLE: Positioning system for workpiece carrier or  
workpieces  
which are held and controlled by multiple axis  
manipulator or industrial robot

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PRIORITY-DATA: 1999DE-2009047 (May 22, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
DE 29909047 U1	October 19, 2000	DE
WO 0071292 A1	November 30, 2000	DE
EP <u>1187700</u> A1	March 20, 2002	DE
EP <u>1187700</u> B1	January 14, 2004	DE
DE 50005030 G	February 19, 2004	DE
ES 2209891 T3	July 1, 2004	ES

DESIGNATED-STATES: US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL  
PT SE AT  
BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE DE ES FR GB IT  
SE

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
DE 50005030G	N/A	2000DE-505030
May 17, 2000		
EP 1187700A1	N/A	2000EP-935046
May 17, 2000		
EP 1187700B1	N/A	2000EP-935046
May 17, 2000		
WO2000071292A1	N/A	2000WO-EP04452
May 17, 2000		
EP 1187700A1	N/A	2000WO-EP04452
May 17, 2000		
EP 1187700B1	N/A	2000WO-EP04452
May 17, 2000		
DE 50005030G	Based on	2000WO-EP04452
May 17, 2000		

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	B23Q1/26	20060101
CIPS	B23Q3/18	20060101
CIPS	B23Q7/00	20060101
CIPS	B25J9/00	20060101

ABSTRACTED-PUB-NO: DE 29909047 U1

BASIC-ABSTRACT:

NOVELTY - The positioning system (1) is designed so that it has at least one reception system (9), at which the workpiece carrier (6) or the workpiece (8) is movably supported in one more axes (15) and can be oriented in different positions. The reception system (9) has at least one centering mounting (11), which can be designed as a prism or as a cone.

USE - Positioning workpiece carrier or workpieces.

ADVANTAGE - The positioning is improved and made more accurate using a multiple axis manipulator to hold and guide the workpiece carrier or the workpiece.

DESCRIPTION OF DRAWING(S) - The drawing shows a manipulator with a workpiece carrier, a workpiece and a positioner unit in a schematic side view.

Positioning unit (1)

Manipulator (2)

Workpiece carrier (6)

Workpiece (8)

Axis (15)

Station or cell (17)

CHOSEN-DRAWING: Dwg.1/2

TITLE-TERMS: POSITION SYSTEM WORKPIECE CARRY HELD CONTROL MULTIPLE

AXIS

MANIPULATE INDUSTRIAL ROBOT

DERWENT-CLASS: P55 P56 P62 X25

EPI-CODES: X25-A03E;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: 2000-499559